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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/546,174	04/11/2000	Chih-Chien Liu	JIA 462C1	4793
25235	7590 11/06/2002 HARTSON LLP		EXAMI	NER
ONE TABO	R CENTER, SUITE 1500 NTEENTH ST		SERGENT, RABON A	
DENVER, CO 80202			ART UNIT	PAPER NUMBER
			1711	12
			DATE MAILED: 11/06/2002	()

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. 09/546,174

Applicant(s)

Liu et al.

Office Action Summary

Rabon Sergent

Art Unit 1711

The MAILING DATE of this communication appears on the cover sheet with the correspondence address					
Period f	or Reply	O EXPIRE three MONTH(S) FROM			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.					
- Extensi	ons of time may be available under the provisions of 37 CFR 1.136 (a). In no				
	date of this communication. eriod for reply specified above is less than thirty [30] days, a reply within the eriod for reply is specified above, the maximum statutory period will apply and	statutory minimum of thirty (30) days will be considered timely.			
		ADDICATION TO DECOME ADAMOUNTS (00 0.0.0. 3 100)			
- Anv rei	to reply within the set of extended period for reply will, by statute, seaso the ply received by the Office later than three months after the mailing date of this patent term adjustment. See 37 CFR 1.704(b).	communication, even if furthery filed, may recess any			
Status		_			
1) 💢	Responsive to communication(s) filed on Oct 8, 200				
2a) 🗌	This action is FINAL . 2b) 🔀 This action				
3) 🗆	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11; 453 O.G. 213.				
Disposi	tion of Claims	u e e e e e e e e e e e e e e e e e e e			
		is/are pending in the application.			
4	la) Of the above, claim(s)	is/are withdrawn from consideration.			
5) 🗆	Claim(s)				
-	Claim(s) <u>50-61</u>				
71	Claim(s)	is/are objected to.			
8) 🗆	Claims	are subject to restriction and/or election requirement.			
	ation Papers				
9) [The specification is objected to by the Examiner.				
-,	The drawing(a) filed on is/are	a) accepted or b) objected to by the Examiner.			
10)	The drawing(s) filed on is/are a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).				
111	The proposed drawing correction filed on	is: a) \square approved b) \square disapproved by the Examiner.			
11)∟	If approved, corrected drawings are required in reply to				
12)	The oath or declaration is objected to by the Examir				
•	under 35 U.S.C. §§ 119 and 120				
13)	Acknowledgement is made of a claim for foreign pri	ority under 35 U.S.C. § 119(a)-(d) or (f).			
	☐ All b)☐ Some* c)☐ None of:	•			
	1. Certified copies of the priority documents have	e been received.			
	2. Certified copies of the priority documents have	been received in Application No			
* 44 WA	3. Copies of the certified copies of the priority do	ocuments have been received in this National Stage au (PCT Rule 17.2(a)).			
* 5	See the attached detailed Office action for a list of the	e certified copies not received.			
14)X		priority under 35 U.S.C. § 119(e).			
a) (The translation of the foreign language provisiona	application has been received.			
15)🗶	Acknowledgement is made of a claim for domestic	priority under 35 0.3.6. 33 120 and/or 121.			
Attachr		4) Interview Summary (PTO-413) Paper No(s).			
, ,	Notice of References Cited (PTO-892)	5) Notice of Informal Patent Application (PTO-152)			
	Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s).	6) Other:			
-31 1 11	INDINIDUON DISCIDSON CHARACTER IN TO A CONTROL OF THE CONTROL OF T				

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- 1. In view of applicants' citation of U. S. Patent 5,854,126 within the communication of October 8, 2002, paper number 16, the finality of the Office action of September 10, 2002 has been withdrawn. Furthermore, the amendment of October 8, 2002 has been entered.

 Accordingly, claims 50-61 are currently pending.
- 2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

3. Claims 50-61 are rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Tobben et al. ('126).

Tobben et al. disclose the production of semiconductor devices containing electrically conductive wires on a substrate, wherein the method comprises the deposition and etching of layers which correspond to those claimed by applicants. See figures and columns 2-4. Patentees further teach at column 4, lines 10-26 that if an additional metalization layer is to be used, then a layer of dielectric material is deposited over the surface of the structure and within the grooves between the wiring lines. Patentees additionally teach that this layer may be formed by depositing silicon dioxide using high density plasma deposition techniques. The position is taken that applicants' method fails to exclude the use of a second metalization layer and that the last step of applicants' claimed process is met by the disclosure pertaining to the high density plasma deposition of the dielectric within the grooves between the wiring lines.

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4. Alternatively, in view of the aforementioned teachings within Tobben et al., the position is taken that it would have been obvious to utilize a high density plasma deposition technique to incorporate a dielectric material onto the surface of the wiring line containing substrate and within the grooves between the wiring lines, so as to insulate the wiring lines from external influences.

Any inquiry concerning this communication should be directed to R. Sergent at telephone number (703) 308-2982.

PRIMARY EXAMINER

R. Sergent

November 2, 2002